The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claims 1 (previously amended): A phosphor blend comprising at least two phosphors selected from the group consisting of (a) $Sr_2P_2O_7:Eu^{2+},Mn^{2+}$; (b) $(Ca,Sr,Ba)_a(PO_4)_3(F,Cl,OH):Eu^{2+},Mn^{2+}$ wherein a is in a range from about 4.5 to and including 5; (c) $3.5MgO{\cdot}0.5MgF_2{\cdot}GeO_2:Mn^{4+}$; (d) $(Sr,Ba,Ca)_5(PO_4)_3(Cl,OH):Eu^{2+}$; (e) an europium-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+}$; and (f) an europium and manganese co-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+},Mn^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+},Mn^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+},Mn^{2+}$; said phosphor blend being capable of absorbing electromagnetic radiation having wavelengths in a range from about 315 nm to about 480 nm and emitting light having wavelengths in the visible spectrum.

Claim 2 (previously amended): The phosphor blend of claim 1, wherein said phosphor blend absorbs electromagnetic radiation substantially in a wavelength range from about 350 nm to about 410 nm.

Claim 3 (previously amended): The phosphor blend of claim 1, wherein a is in a range from about 4.7 to and including 5.

Claim 4 (original): The phosphor blend of claim 1, wherein said emitted light is white light.

Claim 5 (original): The phosphor blend of claim 4, wherein said white light has color coordinates substantially on a black body locus of a CIE chromaticity diagram.

Claim 6 (previously amended): A phosphor blend comprising a mixture of $Sr_2P_2O_7:Eu^{2+},Mn^{2+}$ and at least one phosphor that is selected from the group consisting of (a) $(Ca,Sr,Ba)_a(PO_4)_3(F,Cl,OH):Eu^{2+},Mn^{2+}$ wherein a is in a range from about 4.5 to and including 5 ; (b) $3.5MgO{\cdot}0.5MgF_2{\cdot}GeO_2:Mn^{4+}$; (c) $(Sr,Ba,Ca)_5(PO_4)_3(Cl,OH):Eu^{2+}$; (d) an europium activated aluminate phosphor selected from the group consisting of

$(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+}$; and (e) an europium and manganese co-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+},Mn^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+},Mn^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+},Mn^{2+}$; said phosphor blend being capable of absorbing electromagnetic radiation having wavelengths in a range from about 315 nm to about 480 nm and emitting light having wavelengths in the visible spectrum.

Claim 7 (previously amended): The phosphor blend of claim 6, wherein said phosphor blend absorbs electromagnetic radiation substantially in a wavelength range from about 350 nm to about 410 nm.

Claim 8 (previously amended): The phosphor blend of claim 5, wherein a is in a range from about 4.7 to and including 5.

Claim 9 (previously amended): A phosphor blend comprising a mixture of $(Ca,Sr,Ba)_a(PO_4)_3(F,Cl,OH):Eu^{2+},Mn^{2+}$ wherein a is in a range from about 4.5 to and including 5 and at least one phosphor that is selected from the group consisting of (a) $Sr_2P_2O_7:Eu^{2+},Mn^{2+}$; (b) $3.5MgO{\cdot}0.5MgF_2{\cdot}GeO_2:Mn^{4+}$; (c) $Sr_4Al_{14}O_{25}:Eu^{2+}$; (d) $(Sr,Ba,Ca)_5(PO_4)_3(Cl,OH):Eu^{2+}$; (e) an europium activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+}$; and (f) an europium and manganese co-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+},Mn^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+},Mn^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+},Mn^{2+}$; said phosphor blend being capable of absorbing electromagnetic radiation having wavelengths in a range from about 315 nm to about 480 nm and emitting light having wavelengths in the visible spectrum.

Claim 10 (previously amended): The phosphor blend of claim 9, wherein said phosphor blend absorbs electromagnetic radiation substantially in a wavelength range from about 350 nm to about 410 nm.

Claim 11 (previously amended): The phosphor blend of claim 9, wherein a is in a range from about 4.7 to and including 5.

Claim 12 (previously amended): A phosphor blend comprising a mixture of $Sr_2P_2O_7:Eu^{2+},Mn^{2+}$ and $(Ca,Sr,Ba)5_a(PO_4)_3(F,Cl,OH):Eu^{2+},Mn^{2+}$; wherein a is in a range from about 4.5 to and including 5, and said phosphor blend being capable of absorbing electromagnetic radiation having wavelengths in a range from about 315 nm to about 480 nm and emitting light having wavelengths in the visible spectrum.

Claim 13 (previously amended): The phosphor blend of claim 12, wherein said phosphor blend absorbs electromagnetic radiation substantially in a wavelength range from about 350 nm to about 410 nm.

Claim 14 (previously amended): The phosphor blend of claim 12, wherein a is in a range from about 4.7 to and including 5.

Claim 15 (previously amended): A phosphor blend comprising a mixture of phosphors having formulas $3.5MgO{:}0.5MgF_2{:}GeO_2:Mn^{4+}$; $Sr_4Al_{14}O_{25}:Eu^{2+}$; and an europium and manganese co-invented aluminate phosphors selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+},Mn^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+},Mn^{2+}$, $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+},Mn^{2+}$; said phosphor blend being capable of absorbing electromagnetic radiation having wavelengths in a range from about 315 nm to about 480 nm and emitting light having wavelengths in the visible spectrum.

Claim 16 (previously amended): The phosphor blend of claim 15, wherein said phosphor blend absorbs electromagnetic radiation substantially in a wavelength range from about 350 nm to about 410 nm.

Claims 17-18 (canceled)

Claim 19 (previously amended): A phosphor blend comprising a mixture of phosphors having a formula of $3.5MgO{\cdot}0.5MgF_2{\cdot}GeO_2:Mn^{4+}$; $(Sr,Ba,Ca)_5(PO_4)_3(Cl,OH):Eu^{2+}$; and an europium activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, Mn^{2+}, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+},Mn^{2+}$; said phosphor blend being capable of absorbing electromagnetic radiation having wavelengths in a range from about 315 nm to about 480 nm and emitting light having wavelengths in the visible spectrum.

Claim 20 (previously amended): The phosphor blend of claim 19, wherein said phosphor blend absorbs electromagnetic radiation substantially in a wavelength range from about 350 nm to about 410 nm.

Claim 21 (previously amended): A light source comprising: at least one LED that is capable of emitting electromagnetic radiation having wavelengths in a range from near UV to blue; least one phosphor material selected from the group consisting of (a) $(Ca,Sr,Ba)_a(PO_4)_3(F,Cl,OH):Eu^{2+},Mn^{2+}$ wherein a is in a range from about 4.5 to and including 5; (b) $3.5MgO{\cdot}0.5MgF_2{\cdot}GeO_2:Mn^{4+}$; (c) $(Sr,Ba,Ca)_5(PO_4)_3(Cl,OH):Eu^{2+}$; (d) an europium-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+}$; and (e) an europium and manganese co-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+},Mn^{2+}$, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+},Mn^{2+}$; and (f) mixtures thereof; said phosphor material being capable of absorbing said electromagnetic radiation emitted by said LED and emitting light having wavelengths in the visible spectrum.

Claim 22 (original): The light source of claim 21, wherein said LED emits electromagnetic radiation in a wavelength from about 315 nm to about 480 nm.

Claim 23 (previously amended): The light source of claim 21, wherein a is from about 4.7 to and including 5.

Claim 24 (previously amended): The light source of claim 15, wherein said LED preferably emits electromagnetic radiation from about 350 nm to about 410 nm.

Claim 25 (previously amended): A light source comprising: at least one LED that is capable of emitting electromagnetic radiation having wavelengths in a range from near UV to blue; and a phosphor consisting of a material selected from the group consisting of $Sr_2P_2O_7:Eu^{2+}$, Mn^{2+}, $(Ca,Sr,Ba)_a(PO_4)_3(F,Cl,OH)Eu^{2+}$, Mn^{2+} wherein a is in a range from about 4.5 to and including 5, and mixtures thereof; said phosphor being capable of absorbing said electromagnetic radiation emitted by said LED and emitting light having wavelengths in the visible spectrum.

Claim 26 (previously amended): The light source of claim 25 wherein a is from about 4.7 to and including 5.

Claim 27 (previously amended): A light source comprising: at least one LED that is capable of emitting electromagnetic radiation having wavelengths in a range from near UV to blue; and a phosphor consisting of a first material selected from the group consisting of $Sr_2P_2O_7:Eu^{2+}$, Mn^{2+} and $(Ca,Sr,Ba)_a(PO_4)_3(F,Cl,OH)Eu^{2+}$, Mn^{2+} wherein a is in a range from about 4.5 to and including 5; and a second material selected from the group consisting of (a) $3.5MgO\ 0.5MgF_2GeO_2:Mn^{4+}$; (b) an europium-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, Mn^{2+}, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, Mn^{2+}, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+}$, Mn^{2+}; and (c) an europium and manganese co-activated aluminate phosphor selected from the group consisting of $(Ba,Ca,Sr)_2MgAl_{16}O_{27}:Eu^{2+}$, Mn^{2+}, $(Ba,Ca,Sr)MgAl_{10}O_{17}:Eu^{2+}$, Mn^{2+}, and $(Ba,Ca,Sr)Mg_3Al_{14}O_{25}:Eu^{2+}$, Mn^{2+}.

Claim 28 (previously added): The phosphor blend of claim 1, wherein a is in a range from about 4.9 to and including 5.

Claim 29 (previously added): The phosphor blend of claim 5, wherein a is in a range from about 4.9 to and including 5.

Claim 30 (previously added): The phosphor blend of claim 9, wherein a is in a range from about 4.9 to and including 5.

Claim 31 (previously added): The phosphor blend of claim 12, wherein a is in a range from about 4.9 to and including 5.

Claim 32 (previously added): The light source of claim 21, wherein a is from about 4.9 to and including 5.

Claim 33 (previously added): The light source of claim 25, wherein a is from about 4.9 to and including 5.